

Title (en)
REVERSIBLE HYDROGEN STORAGE COMPOSITION

Title (de)
REVERSIBLER WASSERSTOFFSPEICHER

Title (fr)
COMPOSITION DE STOCKAGE D'HYDROGENE REVERSIBLE

Publication
EP 1124754 B1 20020612 (EN)

Application
EP 98947251 A 19981007

Priority
CA 9800947 W 19981007

Abstract (en)
[origin: WO0020329A1] Hydrogen storage compositions which liberate hydrogen readily and which are readily regenerated from a dehydrogenated state formed by liberation of hydrogen are derived from an A1H3-based complex hydride incorporating a member selected from a metalloid such as B, C, Si, P and S, a metal such as Cr, Mn, Fe, Co, Ni, Cu, Mo, Zn, Ga, In and Sn, a metal which forms a stable hydride such as Be, Mg, Ca, Ti, V, Y, Zr and La and a second A1H3-based complex hydride.

IPC 1-7
C01B 3/00

IPC 8 full level
C01B 6/24 (2006.01); **B01J 20/22** (2006.01); **B22F 9/04** (2006.01); **C01B 3/00** (2006.01); **C22C 1/00** (2006.01)

CPC (source: EP US)
C01B 3/0031 (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP US); **Y10S 420/90** (2013.01 - EP US)

Cited by
CN112408317A; WO2010029407A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 0020329 A1 20000413; AT E219030 T1 20020615; AU 9425598 A 20000426; CA 2345956 A1 20000413; DE 69806072 D1 20020718; DE 69806072 T2 20030116; EP 1124754 A1 20010822; EP 1124754 B1 20020612; ES 2178264 T3 20021216; HK 1041249 A1 20020705; HK 1041249 B 20030417; JP 2002526255 A 20020820; US 2001018939 A1 20010906; US 6733725 B2 20040511

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